City Health Dashboard
Downloadable Data Codebook

Updated December 3, 2024

Contents

SECTION 1: Overview

The City Health Dashboard (the Dashboard) is a one-stop resource allowing users to access and compare data from multiple sources on health and the factors that shape health to guide local solutions. Through a vigorous selection process, the City Health Dashboard selected over 40 metrics spanning five domains — clinical care, health behavior, health outcomes, physical environment, and social and economic factors — to quantify health, health determinants, and equity at the city level and, when data is available, at the census tract level.

Metrics are derived from both private and publicly available data sources, with some data sources contributing several metrics and others contributing only a single metric.

Document Mission

This document is written for an audience interested in using the data available for download. It should be used in conjunction with the City Health Dashboard Technical Document, which outlines technical attributes of the data sources used on the Dashboard.

Users are invited to contact the Dashboard (info@cityhealthdashboard.com) with general feedback or questions not addressed below.

Downloading Dashboard Data

Dashboard data are available for free download at http://cityhealthdashboard.com/data-downloads in CSV and .txt format. Data are also released through an API (https://www.cityhealthdashboard.com/api). This codebook provides information about using data released in any of these formats.

Citing Dashboard Data and Technical Document

The City Health Dashboard should be cited as a source whenever its data or graphics are utilized. This includes, but is not limited to, published presentations, articles, research papers, blogs, policy documents, and other forms of print or digital media. We encourage the use of Dashboard data and visualizations, and suggest the following citation:

> Department of Population Health, NYU Langone Health. City Health Dashboard. https://www.cityhealthdashboard.com/. Accessed [INSERT DATE OF ACCESS].

Data Updates

Dashboard data – both as displayed online and available for download – are updated periodically as underlying datasets are updated. Dashboard data release updates are announced by email, and data versioning is tracked by the release date, which is listed in the file name of downloadable data files. Please note that only the currently displayed Dashboard data are available for download; previous versions of Dashboard data are not accessible. Users in need of archived data, or who have any other questions or concerns about the data should contact info@cityhealthdashboard.com.

Feedback or Errors

Users are encouraged to contact the Dashboard with comments or questions regarding cityhealthdashboard.com and any documents available for download from it, including this Codebook, at info@cityhealthdashboard.com.

SECTION 2: Key Notes on Downloadable Data and API

Data Available for Download

The Dashboard's data are accessible in two modes; see later sections for more details:

1) Downloadable CSV and .txt files
2) API

A list of metrics and years of data available for download are provided in Appendix A.

Accessing Multi-Year Data

The Dashboard displays more than one year of data for most metrics. Due to file size constraints, the downloadable CSV and .txt files contain only the most recently available year of data for each metric (12 months of data for monthly metrics). See Appendix A for a listing of data periods available for each metric. **Please note that multi-year data is available only through the Dashboard's API**.

For some cities, a metric estimate may not be available in the most recent year of data, but estimates are available in prior years of data. Users can confirm data availability for prior years for specific cities by consulting the website.

Requests for multi-year data in CSV or .txt format may be emailed to info@cityhealthdashboard.com. Email requests for multi-year data in CSV or .txt format should specify metrics, years, and geographic levels (city, tract).

Data Unavailable for Download

Data for the following metrics are unavailable for download:

- Tract-level **walkability** data are unavailable for download as per the terms of the Dashboard's data use agreement *(NOTE: city-level walkability data are included in downloadable data files)*

Data for cities not on the Dashboard are not available for download. A list of all cities on the Dashboard is available in the Geographic Identifiers List.

Metrics with Demographic Breakdown

Metric data for specific demographic groups, available on the website, can also be downloaded. However, this demographic-specific data is only released at the city level; estimates at the tract level are not disaggregated by demographic subgroups.

Technical Documentation

Users are strongly encouraged to review the Technical Documentation available at https://www.cityhealthdashboard.com/technical-documentation in conjunction with this Codebook prior to data analysis.

Note on Geographic Identifiers

The Federal Information Processing Series (FIPS), formerly Federal Information Processing Standards, are codes for geographic entities maintained and issued by the Census Bureau. When concatenated (linked together) as State-County-County Subdivision, State-Place, or State-County-Tract, FIPS codes function as unique identifiers for geographic entities. Note that FIPS codes for cities can be different lengths (10 characters for county subdivisions vs. 7 for places). For more detailed information, refer to the Technical Document, Appendix Section B.

Note on census tract unique identifiers

A minority of census tracts cross the boundaries of more than one city. In this case, Dashboard data reports values for each tract-city combination as separate rows, causing duplication of the geo_fips variable within Dashboard tract datasets. The variable parent_fips represents the unique identifier of the city in which that tract resides. To establish unique identifiers within downloadable data, use the geo_fips and parent_fips variables in conjunction. For more information, see this Dashboard blog post: https://www.cityhealthdashboard.com/blog-media/what-exactly-is-a-census-tract .

Note on Hawaii FIPS codes

As per the CDC 500 Cities Project,[1] which guided the Dashboard's launch in 2018, the Dashboard uses the FIPS code for the county of Honolulu, Hawaii (15-003) to represent the geographic area associated with the city of Honolulu. Users should note that in downloadable data, when leading 0's are retained, this FIPS is represented as "0015003". In the summer of 2024, the Dashboard expanded to include 3 additional Hawaii county geographic areas – Hawaii "0015001", Kauai "0015007", and Maui "0015009".

Note on Macon, GA FIPS code

As of 2014, Macon, GA consolidated with its county (Bibb County). To maintain consistency over time in the underlying population represented within the Macon-Bibb area, the Dashboard uses data from both Bibb County (13-021) and Macon-Bibb County (13-49008) to represent the consolidated city and county government, depending on data source availability.[2,3] When only pre-consolidated Macon boundaries (FIPS 13-49000) are available from a data source, users are notified by a data indicator and on the website. For standardization purposes over time, all FIPS codes for Macon in our data for download are listed as 13-49008. See Coding of Variables: Data Indicators section below for more detail.

Note on Versioning

The following entities are versioned by the date of the most recent data release when that entity was updated. Versioning of each entity is independent, and not all will necessarily be updated each data release.

1. Data
2. Technical Document
3. Codebook
4. Geographic Identifiers List

SECTION 3: Coding of Variables

Not Applicable versus Unavailable/Censored

The Dashboard team distinguishes between (a) data that are not released because the value was *not applicable* to the metric and (b) data that are missing because they were *censored or unavailable in an underlying dataset*.

Not Applicable:

An entry of -999 indicates "not applicable".

For example, a value of -999 under the variables "lci" and "uci" means that confidence intervals are not calculated for this value (see Example A).

K	L	M	N	O
num	denom	est	lci	uci
-999	-999	9.9	-999	-999
-999	-999	10	-999	-999

Example A: Screenshot of CSV output
Here, only the estimate is relevant for the metric. The numerator, denominator, and confidence intervals are not applicable, as indicated by the -999 values.

Unavailable/Censored:

A value of *NA* in downloadable files, and *NULL* in the API, indicates that there is no associated value for that variable. For the "est" variable a value of *NA/NULL* means the estimate was unavailable in an underlying dataset OR was censored by the Dashboard. The variable "data_indicator" (or, "indicator" in the API) gives additional information about unavailable or censored data (see section below). For all other variables a value of *NA/NULL* means there is no additional information relevant for that estimate.

For example, a value of "*NA*" under the variable "est" and a value of "censor_3" under the variable "data_indicator" means that this estimate is censored (see Example B).

num	denom	est	lci	uci	data_period	period_type	source_name	census_parent_shape_year	data_indicator
4723	15141	31.2	26.5	35.9	2021	5 year estimate	ACS	2020	NA
NA	NA	NA	NA	NA	2021	5 year estimate	ACS	2020	censor_3

Example B: Screenshot of CSV output
Here, the estimate is not released due to censorship.

Data Indicators

In downloadable data files, additional information about city data can be found under the variables "data_indicator", "county_indicator", "map_indicator", "agg_indicator." In the API, these variables are combined into one variable, "indicators", which is a list of indicators separated by commas. Data indicators are not provided for tract data.

The following values may be present under "data_indicator":

- censor_1 = Estimate was suppressed by the Dashboard team due to insufficient contributing data.

- censor_2 = Estimate was suppressed by the Dashboard team due to an insufficient number of contributing events, in accordance with National Center for Health Statistics suppression criteria.
- censor_3 = Estimate was suppressed by the Dashboard team due to insufficient sample size.
- censor_4 = Estimate suppressed by the Dashboard team due to concerns about underlying data reliability.
- cautions_1 = Use caution when interpreting this estimate, as some contributing data are missing which may impact its accuracy.
- cautions_2 = Use caution when interpreting this estimate, as underlying events are rare which may impact its accuracy.
- cautions_3 = Use caution when interpreting this estimate, as sample size is small which may impact its accuracy.
- missing_1 = Estimate is unavailable from the data source for this city.

Please consult the technical document for more detail on data censorship and data source information.

The following values may be present under “county_indicator”:

- county_1 = Estimate for this year is based on county-level data.
- county_2 = Because city-level data are unavailable or suppressed due to low numbers, the Dashboard presents an estimate for the county associated with this city for this year. County estimates may include populations that reside in areas which are not represented in the map.

Please consult the technical document for more detail on using county estimates.

The following values may be present under “map_indicator”:

- map_1 = Due to Macon city boundary changes over time, the estimate for this year represents FIPS code 1349000 and does not capture all populations represented on the website map and in the consolidated Macon-Bibb county.

The following values may be present under “agg_indicator”:

- aggregation_1 = This estimate is calculated by aggregating estimates from smaller geographies.

Data Time Periods

The Dashboard includes metrics with different types of data time periods including data for a single year, pooled data from multiple years, and monthly data. The variable “data_period” represents the year (formatted as yyyy, i.e. 2022) or month (formatted as yyyymm, i.e. 202201) of the data used in calculation. Additional information about the data period type can be found under the variable “period_type”. Please note that “period_type” is not available in the API; you can find details about data period types by metric in *Appendix A*.

The following values may be present under “period_type”:

- 1 month modeled estimate = Estimates are modeled based on data from a 1-month period
- 1 month average estimate = Estimates are averaged based on data from a 1-month period

- 1 year modeled estimate = Estimates are modeled based on data from a single year
- 1 year estimate = Estimates are calculated based on data from a from a single year
- 2 year estimate = Estimates are calculated based on data from a 3-year period
- 3 year estimate = Estimates are calculated based on data from a 3-year period
- 4 year estimate = Estimates are calculated based on data from a 3-year period
- 5 year estimate = Estimates are calculated based on data from a 5-year period
- 6 year modeled estimate = Estimates are modeled based on data from a 6-year period
- School year ending in = Estimates are from the school year ending in the specified year (i.e. 2017 means from the 2016-2017 school year)
- -999 = Estimates are from the year specified in "data_period" with no additional details
- General Election = Estimates are calculated based on data from the specified general election

Please consult the technical document for more detail on these calculations.

Data Sources

For some metrics, data sources differ by year. The variable "source_name" in downloadable data files, and "source_id" in the API, provides information about the data source for metrics in each dataset. Full source names can be found in *Appendix B*.

Geographic Boundaries and Census Vintages

The Dashboard presents metric data for census tracts from the 2010 and 2020 Census, depending on the underlying Census vintage of the data source. Census tract boundaries and FIPS codes can change significantly between decennial Censuses. Cities are generally more stable. See this Dashboard blog post for more information: https://www.cityhealthdashboard.com/blog-media/2020-census.

Users are encouraged to note the underlying Census vintage when working with data across years and metrics. The "census_parent_shape_year" variable specifies which census boundaries (2010 or 2020) are used. For more detailed information, refer to the Technical Document, Appendix Section B.

The following values may be present under "census_parent_shape_year":

- 2010 – geographic boundaries and tract lists are from the 2010 census
- 2020 – geographic boundaries and tract lists are from the 2020 census

Note that to maintain consistency across the website, any tract-level FIPS code updates that occurred between Decennial Census are not reflected on the Dashboard, and data sources that have incorporated these changes are reverted to the Decennial Census FIPS codes.[96] City-level FIPS code updates are incorporated on the website. Please email info@cityhealthdashboard.com if you would like more details.

Appropriate Data Use

See the Dashboard's Using Multi-year Data: Tips and Cautions at https://www.cityhealthdashboard.com/multi-year-data for more information on appropriate use of multi-year data. See the Dashboard's FAQ at https://www.cityhealthdashboard.com/faq for more information.

SECTION 4: File Layout for Downloadable Data (CSV and .txt files)

Overview

The most recent year of Dashboard data are provided for download by users in both CSV and .txt file format within zipped files. All corresponding CSV and .txt files have identical contents. The Dashboard provides both CSV and .txt file formats for download to maximize flexibility for users.

Users are cautioned that leading zeroes are dropped in CSV files but not .txt files. For example, a FIPS code of 01 will appear as 1 in a CSV file and 01 in its corresponding .txt file; a FIPS code of 040703 will appear as 40703 in a CSV file and 040703 in its corresponding .txt file.

The following data tables are available for download:

Geographic Identifiers List

- List of all cities presented on the Dashboard
- List of all tracts presented on the Dashboard (*note: tract list varies between 2010 or 2020 Censuses – see section "Geographic Boundaries and Census Vintages" for more information*)

Datasets of all Metrics

- Metric data for all cities presented on the Dashboard (*metric data for all tracts are only available on the API due to file size constraints*)

Datasets of all Metrics, by State

- Metric data for all cities presented on the Dashboard, separated by US state
- Metric data for all tracts presented on the Dashboard, separated by US state

Geographic Identifiers List

Geographic identifiers lists are available as CSV and .txt files with the names:

- City_geographic_identifiers_[version]
- Tract_city_geographic_identifiers_[census_parent_shape_year]_[version]

Variable Information (10 variables)

Variable Name	**Variable Definition**	**Variable Type**	**Notes**
geo_fips	FIPS code for the city or census tract	*numeric*	7 or 10 digits for city 11 digits for tract *(note that CSV drops leading zero)*
geo_name	Name of the city or tract (ex: Olympia, 054689)	*string*	Tracts are named with 6-digit codes *(note that CSV drops leading zero)*
geo_level	The geographic level of geo_fips (ex: city, tract)	*string*	
parent_fips	FIPS code for the city in which the tract resides	*numeric*	*Only included in tract file*
parent_name	Name of the city in which the tract resides	*string*	*Only included in tract file*
parent_level	The geographic level of parent_fips (ex: city)	*string*	*Only included in tract file*
state_fips	State FIPS code	*numeric*	2 digits *(note that CSV drops leading zero)*
state_abbr	State abbreviation	*string*	
state_name	State name	*string*	
census_parent_shape_year	Year of the census that correlates with geographic boundaries (ex: 2010, 2020)	*string*	*Only included in tract file* See *Coding of Variables: Geographic Boundaries and Census Vintages* section for details

City Data

City metric datasets are available in both .txt and CSV format with the names:

- All_states_City_[version] for full-Dashboard data
- [state_abbr]_City_[version] for data by state (ex: "AL_City_12-03-2024" for Alabama cities)

Variable Information (20 variables)

Variable Name	**Variable Definition**	**Variable Type**	**Notes**
state_abbr	State abbreviation	*string*	
state_fips	State FIPS code	*numeric*	2 digits *(note that CSV drops leading zero)*
geo_fips	FIPS code for the city	*numeric*	7 or 10 digits *(note that CSV drops leading zero)*
geo_level	The geographic level of geo_fips (ex: city)	*string*	
geo_name	Name of the city (ex: Olympia)	*string*	
metric_name	Metric name	*string*	
group_name	Demographic group	*string*	
num	Numerator	*numeric*	*NA* = censored or unavailable value -999 = not applicable
denom	Denominator	*numeric*	
est	Estimate	*numeric*	*NA* = censored or unavailable value
lci	Lower confidence interval	*numeric*	*NA* = censored or unavailable value -999 = not applicable
uci	Upper confidence interval	*numeric*	
period_type	Estimate type (ex: 5 year estimate)	*string*	See *Coding of Variables: Data Time Periods* section for details
data_period	Year of data	*numeric*	
source_name	Source name abbreviation	*string*	See *Appendix B* for details
census_parent_shape_year	Year of the census that correlates with geographic boundaries (ex: 2020)	*numeric*	See *Coding of Variables: Geographic Boundaries* section for details
data_indicator	Information about unavailable data or data cautions	*string*	See *Coding of Variables: Data Indicators* section for details
county_indicator	Information about county data	*string*	
map_indicator	Information about Macon FIPS	*string*	
agg_indicator	Information about data aggregation	*string*	

Important note regarding column labelled "NOTE - NCHS Disclaimer"

The text in this column appears on the first line of all city data files and in this codebook (see Section 8). Users should be aware that the text is a disclaimer regarding data calculated using National Center for Health Statistics at Research Data Centers. The text is *not* an estimate or observation associated with the other data reported on the row. This disclaimer is exclusively presented in city-level files because NCHS data are only calculated at the city level. Please contact info@cityhealthdashboard.com with any questions.

Tract Data

Tract metric datasets are available in both .txt and CSV format with the names:

- [state_abbr]_Tract_City_[version] for data by state (ex: "AL_Tract_City_12-03-2024" for Alabama cities)

Tract data are only available by state due to file size constraints.

Variable Information (19 variables)

Variable Name	Variable Definition	Variable Type	Notes
state_abbr	State abbreviation	*string*	
state_fips	State FIPS code	*numeric*	2 digits *(note that CSV drops leading zero)*
geo_fips	FIPS code for the tract	*numeric*	11 digits *(note that CSV drops leading zero)*
geo_level	The geographic level of geo_fips (ex: tract)	*string*	
geo_name	Name of the tract (ex: 020100)	*numeric*	Tracts are named with 6-digit codes *(note that CSV drops leading zeros)*
parent_fips	FIPS code for the city in which the tract resides	*numeric*	7 or 10 digits *(note that CSV drops leading zero)*
parent_level	The geographic level of parent_fips (ex: city)	*string*	
parent_name	Name of the city in which the tract resides (ex: Olympia)	*string*	
metric_name	Metric name	*string*	
group_name	Demographic group	*string*	
num	Numerator	*numeric*	-999 = not applicable NA = censored or unavailable value
denom	Denominator	*numeric*	
est	Estimate	*numeric*	*NA* = censored or unavailable value
lci	Lower confidence interval	*numeric*	-999 = not applicable NA = censored or unavailable value
uci	Upper confidence interval	*numeric*	
period_type	Estimate type (ex: 5 year estimate)	*string*	See *Coding of Variables: Data Time Periods* section for details
data_period	Year of data	*numeric*	
source_name	Source name abbreviation	*string*	See *Appendix B* for details
census_parent_shape_year	Year of the census that correlates with geographic boundaries (ex: 2010)	*numeric*	See *Coding of Variables: Geographic Boundaries* section for details

Note: indicator columns are not applicable to tract outputs so are not included in downloadable data

SECTION 5: File Layout for API

Overview

The Dashboard's API can be accessed at https://www.cityhealthdashboard.com/api. Users are invited to contact info@cityhealthdashboard.com with comments or feedback about the API's functionality or documentation.

The following endpoints are available; see sections below for more details:

- Geographic Identifiers
- Metrics
- Metric Data
- Data sources
- Demographic Identifiers

General Notes

You can test the API by entering a sample request URL into your web browser. Be sure to replace [api_key] with your actual API key without the brackets. API keys can be requested at https://www.cityhealthdashboard.com/api.

- *https://www.cityhealthdashboard.com/api/data/metrics?token=[api_key]*

Spaces in arguments are separated by a plus sign (+), not an underscore (e.g., New York is queried as New+York, not New_York). For example:

- *https://www.cityhealthdashboard.com/api/data/metric-data/4?token=[api_key]& geo_name=New+York*

Queries that yield over 1,000 results will be paginated to increase the efficiency of the query. You can use an optional "page" argument to move through result pages. For example:

- *https://www.cityhealthdashboard.com/api/data/metric-data/4?token=[api_key]&page=2*

Geographic Identifiers

The geographies endpoint provides users with information about census tract and city geographies included on the Dashboard.

- *https://www.cityhealthdashboard.com/api/data/geographies?token=[api_key]*

Optional arguments for geographies include:

- unique_geo, geo_fips, geo_level, geo_name, parent_fips, parent_level, parent_name, state_fips, state_abbr, state_name, census_parent_shape_year, page

The following example requests all geography information for Alabama for the 2020 Census (both cities and census tracts):

- *https://www.cityhealthdashboard.com/api/data/geographies?token=[api_key]&state_abbr=AL&census_parent_shape_year=2020*

This example shows how to limit the geographies query to only 2010 census tracts in New York City, using the city's FIPS code:

- *https://www.cityhealthdashboard.com/api/data/geographies?token=[api_key]&geo_level=tract&parent_fips=3651000&census_parent_shape_year=2010*

Variable Information (11 variables)

Variable Name	**Variable Definition**	**Variable Type**	**Notes**
unique_geo	Concatenation of geo_fips, parent_fips, census_parent_shape_year	*string*	Uniquely identifies geographies
geo_fips	FIPS code for the city or census tract	*string*	7 or 10 digits for city, 11 digits for tract
geo_level	The geographic level of geo_fips (ex: city, tract)	*string*	
geo_name	Name of the city or tract (ex: Olympia, 054689)	*string*	Tracts are named with 6-digit codes
parent_fips	FIPS code for the city in which the tract resides	*string*	-999 = not applicable
parent_level	The geographic level of parent_fips (ex: city)	*string*	-999 = not applicable
parent_name	Name of the city in which the tract resides	*string*	-999 = not applicable
state_fips	State FIPS code	*string*	2 digits
state_abbr	State abbreviation	*string*	2 letters
state_name	State name	*string*	
census_parent_shape_year	Year of the census that correlates with geographic boundaries (ex: 2010, 2020)	*string*	See *Coding of Variables: Geographic Boundaries and Census Vintages* section for details

Metrics

The metrics endpoint provides users with information about Dashboard metrics.

- *https://www.cityhealthdashboard.com/api/data/metrics?token=[api_key]*

Optional arguments for Metrics include:

- metric_name, metric_id, domain_name

The following example requests metric information for the Smoking metric:

- *https://www.cityhealthdashboard.com/api/data/metrics?token=[api_key]&metric_name=Smoking*

Variable Information (5 variables)

Variable Name	**Variable Definition**	**Variable Type**	**Notes**
metric_name	Metric name	*string*	
metric_id	ID of metric	*string*	See *Appendix A* for metrics associated with the metric ID
metric_long_name	Description of metric	*string*	
domain_name	Health Outcomes Social and Economic Factors Health Behavior Physical Environment Clinical Care	*string*	If using as parameter in API request, add a "+" between words
scale_direction	Whether a "higher" or "lower" value is better	*string*	

Metric Data

The metric data endpoints provide users with data at the city or census tract level for the specified metric. Users must specify *metric_id* in the API call (removing the < >) for the metric of interest. Please see the *Metrics* endpoint, or *Appendix A*, to find a crosswalk between metric names and metric IDs.

- *https://www.cityhealthdashboard.com/api/data/metric-data/<metric_id>?token=[api_key]*

Optional arguments for metric data include:

- data_period, unique_geo, geo_fips, geo_level, geo_name, parent_fips, parent_name, state_fips, state_abbr, state_name, census_parent_shape_year, page

The following example requests all years and geographies of data for the binge drinking metric:

- *https://www.cityhealthdashboard.com/api/data/metric-data/3?token=[api_key]*

Arguments to limit the data by geography or year can be called as shown in the following example for Ann Arbor, MI Children in Poverty city-level data for 2020:

- *https://www.cityhealthdashboard.com/api/data/metric-data/4?token=[api_key]&geo_level=city&geo_name=Ann+Arbor&data_period=2020*

Variable Information (24 variables)

Variable Name	**Variable Definition**	**Variable Type**	**Notes**
id	Concatenation of geo_fips, parent_fips, census_parent_shape_year, metric_id, demographic_id, data_period	*string*	Uniquely identifies metric data rows
metric_id	ID of metric	*string*	**Required argument** Query the Metrics endpoint, or see *Appendix A,* for metrics associated with the metric ID
unique_geo	Concatenation of geo_fips, parent_fips, census_parent_shape_year	*string*	Uniquely identifies geographies
geo_fips	FIPS code for the city	*string*	7 or 10 digits for city, 11 digits for tract
geo_level	The geographic level of geo_fips (ex: city)	*string*	
geo_name	Name of the city (ex: Olympia)	*string*	
state_fips	State FIPS code	*string*	2 digits
state_abbr	State abbreviation	*string*	2 letters
state_name	State name	*string*	
parent_fips	FIPS code for the city in which the tract resides	*numeric*	7 or 10 digits for city, -999 = not applicable
parent_level	The geographic level of parent_fips (ex: city)	*string*	-999 = not applicable

Variable Name	Variable Definition	Variable Type	Notes
parent_name	Name of the city in which the tract resides (ex: Olympia)	*string*	-999 = not applicable
demographic_id	Demographic ID number See *Appendix C* for more details	*string*	See *Appendix C* for more details If using as parameter in API request, use associated numeric ID
demographic_group	Demographic group (ex: Asian)	*string*	
demographic_domain	Category of demographic group (ex: Race/Ethnicity)	*string*	
source_id	Data source ID number See *Appendix B* for more details	*string*	See *Appendix B* for more details If using as parameter in API request, use associated numeric ID
data_period	Year of data	*string*	See *Coding of Variables: Data Time Periods* section for details
census_parent_shape_year	Year of the census that correlates with geographic boundaries (ex: 2020)	*string*	See *Coding of Variables: Geographic Boundaries* section for details
est	Estimate	*numeric*	*NULL* = censored or unavailable
num	Numerator	*numeric*	*NULL* = censored or unavailable value -999 = not applicable
denom	Denominator	*numeric*	
lci	Lower confidence interval	*numeric*	*NULL* = censored or unavailable -999 = not applicable
uci	Upper confidence interval	*numeric*	
indicators	List of indicators containing information about unavailable data or data cautions	*string*	See *Coding of Variables: Data Indicators* section for details *NULL* = no indicators associated

Data Sources

The sources endpoint provides users with information about who is the underlying data vendor for the Dashboard metrics.

- *https://www.cityhealthdashboard.com/api/data/sources?token=[api_key]*

Optional arguments for sources include:

- source_id

Variable Information (3 variables)

Variable Name	Variable Definition	Variable Type	Notes
source_id	Data source ID number	*string*	See *Appendix B* for more details
source_name_short	Abbreviated source name	*string*	See *Appendix B* for more details
source_name_long	Unabbreviated source name	*string*	See *Appendix B* for more details

Demographic Identifiers

The demographics endpoint provides users with information about what populations are being represented by the data.

- *https://www.cityhealthdashboard.com/api/data/demographics?token=[api_key]*

Optional arguments for demographics include:

Variable Information (3 variables)

Variable Name	Variable Definition	Variable Type	Notes
demographic_id	Demographic ID number	*string*	See *Appendix C* for more details
demographic_domain	Category of demographic group (ex: Race/Ethnicity)	*string*	See *Appendix C* for more details
demographic_group	Demographic group (ex: Asian)	*string*	See *Appendix C* for more details

SECTION 6: Notes on Specific Metrics

Chronic Absenteeism

The Dashboard changed data sources and methodology in December 2023 and changed the metric name from “Absenteeism” to “Chronic Absenteeism” to reflect this change. Comparison of data in this release to data versions released before 12/05/2023 are inappropriate. Please refer to the Technical Document for more details on this metric’s calculation methods as well as guidelines for interpreting the data appropriately.

Air Pollution – Ozone & Air Pollution – $PM_{2.5}$

Air pollution data on the Dashboard are provided by George Mason University (GMU) using North America Chemical Reanalysis (NACR). EPA CMAQ RSIG and GMU North America Chemical Reanalysis (NACR) are commonly used, publicly available data sources for ozone and PM2.5 pollution. While the RSIG presently include a longer data period, NACR uses more up-to-date emission and real-time forecasting data to provide air pollution data in a timelier manner (up to yesterday). Both RSIG and NACR provide ozone (parts per billion (ppb)) and PM2.5 (microgram per cubic meter (mg/m3)) data for 12-kilometer square areas, which is larger than many census tracts. EPA CMAQ RSIG further smooths the data to provide census tract-level estimates, while NACR are provided at the 12-kilometer square area level only. As such, adjacent census tracts might share the same ozone pollution value (ppb) or PM2.5 pollution value (mg/m3).

High School Completion

The Dashboard changed data sources and methodology in October 2020 and changed the metric name from “High School Graduation” to “High School Completion” to reflect this change. Comparison of data to versions before v10.1 are inappropriate.

Life Expectancy

The Dashboard does not recommend comparing current life expectancy data with data released in prior downloadable data versions, as calculation methodologies change over time.

The Dashboard reports tract-level data as received from National Center for Health Statistics/USALEEP; tract-level data and documentation files are available for free download.[6] A flag to indicate the source of the age-specific death rates used to calculate the abridged period life tables is included in the data downloaded directly from USALEEP. However, this variable is ***not*** included in the Dashboard downloadable data. Users requiring this information should refer to the National Center for Health Statistics/USALEEP dataset.

Third-Grade Reading Scores

The Dashboard changed data sources and methodology in September 2021 and changed the metric name from “Third-Grade Reading Proficiency” to “Third-Grade Reading Scores” to reflect this change. Comparison of data to versions before v13.0 are inappropriate.

Neighborhood Racial/Ethnic Segregation

Due to the nature of how this metric is calculated, changes in the number of tracts in a given area will impact the segregation score, regardless of demographic shifts. Therefore, because census tract boundaries may change after a decennial census, estimates are not always comparable before and after 2020. Please refer to the Technical Document for more details on this metric's calculation methods.

Note on metrics calculated using National Center for Health/Research Data Center Statistics Data

The following metrics were calculated by City Health Dashboard analytic staff at the Research Data Center using National Center for Health Statistics data: breast cancer deaths, cardiovascular disease deaths, colorectal cancer deaths, low birthweight, opioid overdose deaths, premature deaths (all causes), firearm homicides, firearm suicides, prenatal care, and teen births.

The downloadable data tables shared on the City Health Dashboard website were not released as a micro-level downloadable datasets from NCHS/RDC, rather .csv aggregated data tables whose analyses were conducted per NCHS disclosure requirements in a secure environment and released as approved output. The findings and conclusions on this website are those of the author(s) and do not represent the views of the Research Data Center, the National Center for Health Statistics, or the Centers for Disease Control and Prevention. NCHS does not recommend further analysis of these tables because linking them to individually identifiable data from other NCHS or non-NCHS datasets could potentially cause disclosure. If you believe a disclosure has occurred please contact info@cityhealthdashboard.com and RDCA@cdc.gov.

Uninsured

Age 0-17 and age 18-64 were associated with the uninsured metric in downloadable data versions prior to v5.0. Age strata for this metric were revised to more granular age breakdowns in downloadable data v5.0 and subsequent downloadable data versions. Between downloadable data versions v5.0 and 16.0 more granular age breakdowns were released for 2013 and 2014, however these were removed in version 07-26-2023 due to identification of an error in the data. Granular age breakdowns for 2013 and 2014 are no longer available. Please email info@cityhealthdashboard.com with any questions.

Walkability

The Dashboard does not recommend comparing current walkability data with other years of walkability data released in prior downloadable data versions, as calculation methodologies change over time.

SECTION 7: Appendix

Appendix A: Data Year (data_period) Availability, by Metric

The following table outlines the data_period entries available on the website. CSV and .txt files contain only the most recent year of data (or, most recent 12 months for monthly metrics) as indicated in data_period. Requests for multi-year data can be made by email or accessed directly via the API. See section "Accessing Multi-Year Data" above for more detail.

Metric ID	Metric Name	Data Periods Available
45	Air Pollution - Ozone	01/2018 - 12/2023*
2	Air Pollution - Particulate Matter	01/2022 - 12/2023*
3	Binge Drinking	2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
28	Breast Cancer Deaths	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021
40	Broadband Connection	2017, 2018, 2019, 2020, 2021, 2022
29	Cardiovascular Disease Deaths	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021
4	Children in Poverty	2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
1	Chronic Absenteeism	2018, 2020, 2021, 2022
30	Colorectal Cancer Deaths	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021
44	Credit Insecurity Index	2020
5	Dental Care	2014, 2016, 2018, 2020, 2022
6	Diabetes	2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
42	Firearm Homicides	2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021
43	Firearm Suicides	2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021
7	Frequent Mental Distress	2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
8	Frequent Physical Distress	2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
9	High Blood Pressure	2013, 2015, 2017, 2019, 2021
10	High School Completion	2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
12	Housing with Potential Lead Risk	2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
13	Income Inequality	2018, 2022
48	Independent Living Difficulty	2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
14	Lead Exposure Risk Index	2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
37	Life Expectancy	2015
35	Low Birthweight	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021
16	Neighborhood Racial/Ethnic Segregation	2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
17	Obesity	2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
32	Opioid Overdose Deaths	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021
36	Park Access	2023
18	Physical Inactivity	2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
31	Premature Deaths (All Causes)	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021
34	Prenatal Care	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021
21	Racial/Ethnic Diversity	2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
11	Rent Burden	2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
41	Routine Checkup, 18+	2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
22	Smoking	2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
33	Teen Births	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021
23	Third-Grade Reading Scores	2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019
24	Unemployment - Annual, Neighborhood-Level	2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
39	Unemployment - Current, City-Level	01/2018 - 06/2024*
25	Uninsured	2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
47	Voter Turnout	2020
27	Walkability	2024
49	Youth Not in Work or School	2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022

* Monthly data

See *Coding of Variables: Data Time Periods* section for details

Appendix B: Data Source Full Names (by source_name and source_id)

Source ID (source_id)	Source name abbreviation (source_name)	Full source name
1	CDC 500	500 Cities Project, Centers for Disease Control
2	ACS	American Community Survey
3	NVSS ND	Natality Data, National Vital Statistics System, National Center for Health Statistics
4	NVSS MCDD	Multiple Cause of Death Data, national Vital Statistics System, National Center for Health Statistics
5	USALEEP	U.S. Small-Area Life Expectancy estimates Project
7	NCES	National Center for Education Statistics, U.S. Department of Education
9	ParkServe	ParkServe®
10	SEDA	Stanford Education Data Archive
11	BLS	Local Area Unemployment Statistics, U.S. Bureau of Labor Statistics
13	Walk Score	Walk Score®
14	PLACES	PLACES Project, Centers for Disease Control
16	NJSHAD	New Jersey State Health Assessment
17	NY Fed	New York Fed Consumer Credit Panel/Equifax
18	GMU	George Mason University
22	L2 ACS	L2 and American Community Survey

Appendix C: Demographic groups (by group, domain, and id)

Demographic ID	Demographic group	Demographic domain
1	Total	Total population
2	Female	Sex
3	Male	Sex
4	Asian	Race/Ethnicity
5	Black	Race/Ethnicity
6	Hispanic	Race/Ethnicity
7	White	Race/Ethnicity
8	Other	Race/Ethnicity
9	Age 0-17	Age
11	Age 0-18	Age
12	Age 19-25	Age
13	Age 26-34	Age
14	Age 35-44	Age
15	Age 45-64	Age
16	Age 18-24	Age
17	Age 25-34	Age
118	Age 16-19	Age
119	Age 18-29	Age
120	Age 20-24	Age
121	Age 25-29	Age
122	Age 25-44	Age
123	Age 30-34	Age
124	Age 30-44	Age
125	Age 45-54	Age
126	Age 55-59	Age
127	Age 55-64	Age
128	Age 60-64	Age
129	Age 65-74	Age
130	Age 75+	Age
131	Age 18-34	Age
132	Age 35-64	Age
133	Age 18-64	Age
134	Age 65+	Age

SECTION 8: Dataset Versioning Log

Starting with the 07-26-2023 release, the Dashboard now versions the codebook and downloadable data with the date the data were released on the website.

Codebook and Data Version	Geographic Identifiers Version	Update Notes

12-03-2024	07-17-2024	• Demographics overview: Addition of new breakdowns
		• NVSS/NJSHAD (natality metrics only)
		  ○ Add 2021 data
		  ○ Data newly available for more cities
		  ○ Update race and ethnicity estimates to represent cities instead of counties
		  ○ Update to use NJSHAD data source for all New Jersey cities
		  ○ Prenatal Care newly available for New Jersey cities in 2012-2014
		  ○ Removal of Asian and Other race group data from NJ cities due to recommendation from the data source
		  ○ Addition of data for Other race group for 2020-2021
		• Park Access:
		  ○ Add 2023 data
		  ○ Calculation update for tract estimates to clip at shorelines
		• PLACES Project metrics:
		  ○ Add 2022 (1-year modeled estimate) data for 9 metrics
		  ○ Update all 2022 data to use 2020 geographic boundaries
		  ○ Update 2021 High Blood Pressure data to use 2020 geographic boundaries
		  ○ Removal of Preventive Services, 65+ metric
		• Unemployment – Current, City-Level
		  ○ Add monthly data through June 2024
		  ○ Small estimate changes for Hawaii counties due to revisions from the data source
		• Walkability: Add 2024 data
		• Youth Not in Work or School: Release of new metric (2013-2022), including sex breakdowns

07-17-2024	07-17-2024	• Addition of 130 new cities, including Hawaiian counties, designated places, Addition of 130 new cities, including Hawaiian counties, designated places, 2024 “Put Us On the Map” cities, and historically redlined cities
		  ○ Slight modification to tract inclusion for a few existing cities due to updated methodology
		• Updated city names for 48 townships in MI, NJ, and PA
		• ACS metrics: Add 2022 (5 year estimate) data
		  ○ High school completion: Addition of age breakdowns
		  ○ Housing with potential lead risk & Lead exposure risk index: Apply city-level censorship criteria to tracts; Update housing weights
		  ○ Income inequality: Limit metric to 2018 and 2022 data years
		  ○ Independent living difficultly: Release of new metric (2015-2022), including age breakdowns
		  ○ Racial/ethnic diversity & Neighborhood racial/ethnic segregation: Marginal change in estimates for select cities impacted by changes in tract inclusion

		○ Unemployment: Addition of age breakdowns; Update to population weighting variable for Asian and Other resulting in small estimate changes for previous years of data • Air pollution – Ozone: Add 2023 monthly data • Air pollution – PM2.5: Add 2023 monthly data • Chronic absenteeism ○ Small estimate changes for select due to addition of new cities ○ Select cities newly censored in 2022 due to unreliable state data • Demographics overview: Update to 2022 data; Addition of new breakdowns • NVSS/NJSHAD (Mortality metrics only) ○ Add 2021 data ○ Update race/ethnicity estimates to represent cities instead of counties, including new censorship criteria ○ Data newly available for more cities • PLACES Project metrics: Update population weight for select aggregated city-level estimates • Third-grade reading scores: ○ Add 2019 data ○ Data newly available for more cities ○ Select cities newly missing due to updated data source methodologies • Unemployment – current, city-level: Add data through February 2024 • Voter turnout: Release of new metric (2020), including sex and age breakdowns
12-05-2023	07-26-2023	• 02-07-2024 revision: Refined Chronic Absenteeism school inclusion criteria resulted in minor changes of estimates in four cities in California and Utah, and some newly available demographic subgroup estimates in 2019, 2021 and 2022 for several cities. • PLACES Project: ○ Add 2021 data for 9 metrics ○ Updated methods for Honolulu preventive services calculation • Chronic Absenteeism: ○ Add 2020 – 2022 school years using updated data sources ○ Replace 2018 data with updated data sources ○ Expanded data availability for cities below 66,000 population, including “Put Us On the Map” cities ○ Change to metric name • Unemployment – current, city-level: Add data through July 2023
10-25-2023	07-26-2023	• Update to API structure
07-26-2023	07-26-2023	• ACS metrics: Add 2021 (5 year estimate) data ○ Uninsured: removal of age breakdowns in 2013, 2014 ○ Minor change to confidence interval calculation methods • Air pollution – Ozone: Add 2022 monthly data • Air pollution – PM2.5: New data source (monthly data for 2022); Removal of existing multi-year metric • COVID Local Risk Index: Removal of metric • Credit insecurity index: New method for generating some city-level estimates • Life expectancy: New method for generating city-level estimates • Limited access to healthy foods: Removal of metric • NVSS/NJSHAD: Correction of 2014 and 2017 estimates for breast cancer deaths, colorectal cancer deaths, cardiovascular disease deaths, premature deaths (all cause), and 2012, 2015, 2018 estimates for low

		birthweight and teen births. These corrections were applied to 10 New Jersey cities using New Jersey State Health Assessment. County estimates for these metrics for these cities were unintentionally posted on the website between 7/27/2022 – 08-02-2023. This error was also in downloadable data version 15.0, 15.1 and 16.0. • NVSS Breast Cancer Deaths 2013: We discovered our breast cancer deaths for 2013 was a complete duplication of 2012 data from 1/13/2020 (version 8.0) to 7/21/22 (version 15.0). This error has been fixed in version 15.0 release. • Park Access: Update to 2022 data • PLACES Project: Add 2020 data for 10 metrics • Unemployment – current, city-level: Add data through December 2022 • Walkability: Update to 2022 data; New method for generating city-level estimates • Addition of new city estimate censorship criteria • Addition of 67 smaller cities from the 2023 "Put Us On the Map" Challenge • Addition of prior years of data for small cities for most metrics, where available • Modification of FIPS code for Macon, GA • City overview, demographic estimates: Update to 2021 data

Codebook Version	Downloadable Data Version	Approx. Date Data Posted Online	Update Notes
16.0	16.0	3/28/2023	Housing cost, excessive: replace housing cost, excessive with new metric Rent burden (ACS) Air pollution - ozone: Add 2021 Violent Crime: Removal of metric Unemployment – current, city-level: Addition of September 2022-November 2022 data
15.1	15.1	9/6/2022	Firearm suicides: Release of new metric; 2014 – 2020 data (5 year estimate) Firearm homicides: Release of new metric; 2014 – 2020 data (5 year estimate) Unemployment – current, city-level: Addition of March 2022-May 2022 data
15.0	15.0	7/27/2022	ACS metrics: Add 2020 (5 year estimate) data NVSS metrics: Add 2018, 2019, and 2020 (3 year estimate) data Addition of 140 new cities, including 69 represented by a new Census geography: County Subdivisions (Minor Civil Divisions) • Addition of *city_fips* and *stcosub_fips* variables Addition of 2020 tract and city geographies to support metric data from 2020 Census • Addition of *census_year* variable Addition of *data_yr* variable Geographic Identifiers: Update to v2.0

14.1	14.1	5/17/22	Unemployment – current, city-level: Addition of December 2021-February 2022 data Income inequality: Correction of 2019 tract data. *Income bracket $25k-$29,999 was unintentionally excluded in versions 12.0 and later.* Uninsured: Correction of 2018 and 2019 city data. *"2 or more races" category was unintentionally excluded from the "Other" race/ethnicity demographic group.*
14.0	14.0	3/29/22	PLACES Project: Addition of 2019, 1 Year Modeled Estimates Unemployment – current, city-level: Addition of November 2021 data Air pollution – particulate matter: Addition of 2018 data Credit Insecurity Index: Release of new metric; 2020 NY Fed/Equifax data Air pollution – ozone: Release of new metric; 01/2018-12/2020 George Mason University data
13.1	13.1	1/11/22	Unemployment – current, city-level: Addition of July-October 2021 data High blood pressure: Correction of tract data_yr_type variable from "2018, 1 Year Modeled Estimate" to "2017, 1 Year Modeled Estimate"
13.0	13.0	11/1/21	Absenteeism: Update to 2017-2018 data; Update data source to incorporate data from EDFacts Third-grade reading scores: Replace Third-grade reading proficiency with new data source (Stanford Education Data Archive); addition of years 2011-2018 Limited access to healthy food: Addition of 2019 data Unemployment – current, city-level: Addition of June 2021 data Routine checkup, 18+: Release of new metric; 2014-2018 500 Cities/PLACES data
12.3	12.3	9/6/21	Unemployment – current, city-level: Addition of May 2021 data
12.2	12.2	8/2/21	Unemployment – current, city-level: Addition of April 2021 data
12.1	12.1	7/12/21	Unemployment – current, city-level: Addition of February and March 2021 data
12.0	12.0	6/1/21	ACS metrics: Add 2019 (5 year estimate) data Unemployment – annual, neighborhood-level: Slight revision of estimates to improve precision; see Technical Documentation, page 41 for more details. Air pollution: Add 2017 CMAQ data Violent crime: Add 2019 UCR data Broadband connection: Release of new metric; 2017, 2018, 2019 ACS (5 year estimate) data
11.0	11.0	3/1/21	COVID Local Risk Index: Replace with updated Index estimates; Newly available for download and via API PLACES Project (formerly 500 Cities Project): Addition of 2020 release Preventive services, 65+: Name changed from "Preventive services"; Revision of 2014, 2016 estimates to improve accuracy

			Unemployment – current, city-level: Addition of November 2020 data
10.4	10.4	2/1/21	Unemployment – current, city-level: Addition of October 2020 data Income inequality: 20th and 80th percentile cut points updated for 2013, 2014 to more closely approximate underlying distribution
10.3	10.3	1/7/21	Unemployment – current, city-level: Addition of September 2020 data Unemployment – annual, neighborhood-level: Metric added back to website; still available for download
10.2	10.2	12/1/20	Unemployment – current, city-level: Addition of August 2020 data
10.1	10.1	11/10/20	Unemployment – current, city-level : Addition of new metric Unemployment – annual, neighborhood-level: Temporarily removal from website; still available for download; name changed from "Unemployment" High school completion: Replace High school graduation with new data source, multi-year data, and tract-level data Geographic Identifiers – Master List.zip: Remove zip_code variable and update to v3.1 Walkability: For cities with only one census tract, city-level values are set equal to tract-level values
9.1	9.0	5/11/20	COVID Local Risk Index released on 6/4/20; codebook v9.1 updated with references to this metric. COVID Local Risk Index is not included in downloadable data v9.0 or via API.
9.0	9.0	5/11/20	Addition of 256 cities (see Technical Document, Part 1); metric data for these cities added where available. ACS metrics: Addition of 2018 data Life expectancy: Addition of estimates for Maine and Wisconsin as per updates to USALEEP NVSS metrics: Addition of data for some years and metrics for consolidated cities (Athens, GA; Augusta, GA; Indianapolis, IN; Louisville, KY; Nashville, TN) Walkability updated to 2019 Geographic Identifiers – Master List.zip: Update of this file to v3.0 from v2.0
8.1	8.1	2/7/20	Correction of tract-level housing with potential lead risk and tract-level park access data. *Previous versions of downloadable data released a minority of confidence intervals less than 0% or greater than 100%. Version 8.1 corrects this error.*
8.0	8.0	2/3/20	Addition of 10 cities (see Technical Document, Part 1); metric data for these cities added where available. *NOTE 1: NVSS metrics: Calculation uses NJSHAD data (see Technical Document, Part 1). NOTE 2: Low birthweight, teen births: 2016-2018 data is added for these 10 cities only; data for both 2015-2017 (initial release in v7.0) and 2016-2018 are released in .csv and .txt format for these metrics.* 500 Cities Project: addition of 2019 release Air pollution data: addition of 2016 Park access city data: updated to 2018; addition of tract-level park access data Violent crime data: addition of 2018

			Tract data: Insertion of stpl_fips variable to downloadable data and API Geographic Identifiers – Master List.zip: Update of this file to v2.0 from v1.1; update of tract-ZIP crosswalk to 2019 Quarter 2
7.2	7.1	10/7/19	Geographic Identifiers – Master List.zip: Update of this file to v1.1 from v1.0 to correct place_FIPS variable. *This variable was incorrectly displayed for some cities.* No changes were made to downloadable data v7.1. Codebook updated to v7.2 from v7.1 to note correction of Geographic Identifiers – Master List
7.0, 7.1	7.0, 7.1	8/29/19	NVSS metrics: Added 2010-2012, 2011-2013, 2012-2014, 2015-2017 data. *NOTE: Prenatal care: 2010-2012, 2011-2013, 2012-2014 not released.* NVSS metrics: Revision to 2013-2015 and 2014-2016 estimates for improved accuracy NVSS metrics: Removal of county-level (county_indicator = 1,2) total population and sex estimates (except for Honolulu, HI and Macon, GA: see Technical Document Part 1)
6.3	6.2	7/26/19	Tract data: Revision of variable city_name from "Honolulu County" to "Honolulu" where stpl_fips = 15003. City data: Correction of place_FIPS variable. *This variable was incorrectly displayed for some cities in data v6.0 and v6.1.* .txt files: Correction of missing leading zeros for state_fips, place_fips, stpl_fips. *Leading zeroes were unintentionally dropped in v6.0 and v6.1.*
6.2	6.1	7/16/19	Correction of South Carolina high school graduation data (LEP stratum only). *Downloadable data v6.0 provided an incorrect LEP estimate for cities in South Carolina only. These errors were corrected in data v6.1.*
6.1	6.0	6/12/19	Minor clarifying revisions to codebook; no data changes
6.0	6.0	6/12/19	Launch of Beta API; release of multi-year data (API only) High school graduation estimates updated to June 2019 release; introduction of limited English proficiency stratum Air pollution data updated to 2015 Removal of stratum educ_indicator = 3 ("estimate is a midpoint of a rate range"). *The data sources used in calculation of the high school graduation metric released in June 2019 do not include rate ranges.* Correction of metric_name entries for uninsured (tract) from "Uninsurance" to "Uninsured". *Downloadable data versions 1 to 5.2 mislabeled "2014, 2 year modelled estimates" tract-level dental care and preventive services estimates as "2015, 2 year modelled estimates" under variable "data_yr_type". These errors are corrected in v6.0. (These 2014 data are available for download by API only.)*
5.3	5.3	5/3/19	Correction of Honolulu walkability data. *Downloadable data versions 1 to 5.2 provided an incorrect city score for walkability in Honolulu and omitted tract-level walkability Honolulu data. These errors are corrected in v5.3.*
5.2	5.2	3/21/19	Correction of city-level unemployment data. *Values for "Asian" and "other" subgroups were unintentionally omitted from v5.1 This error is corrected in v5.2.*
5.1	5.1	2/26/19	Correction of tract-level preventive services data. *Downloadable data v4.0 and v5.0: (1) unintentionally included tract-level preventive services estimates for male and female subgroups from the 500 Cities Project 2018 release[5] and (2) mislabeled "2016, 2 year modelled estimates" tract-level preventive services estimates for total population as "2015, 2 year modelled estimates" under variable "data_yr_type". These errors are corrected in v5.1.*

5.0	5.0	2/21/19	ACS data updated to 2017 Air pollution data updated to 2014 Revised age strata (see Section 8)
4.0	4.0	12/20/18	NVSS (NCHS) data updated to 2014-16 NVSS (NCHS) disclaimer added to city CSV and .txt files – column "NOTE - NCHS Disclaimer" 500 Cities Project updated to 2018 release Primary care physicians data removed from downloadable data (see Section 8)
3.0	3.0	10/29/18	Inclusion of park access data in downloadable dataset Inclusion of life expectancy data in downloadable dataset Absenteeism data updated to 2015-16 data Violent crime data updated to 2017 data Updated uninsured data (ACS replaces 500 Cities Project as data source; revised strata)
2.1	--	7/17/18	Addition of the following metrics to downloadable data: teen births; breast cancer deaths; cardiovascular disease deaths; colorectal cancer deaths; low birthweight; opioid overdose deaths; premature deaths (all causes); prenatal care
1	--	6/29/18	*First release*

SECTION 9: References

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